

TOWNSHIP  
1024-034  
1-5

#3

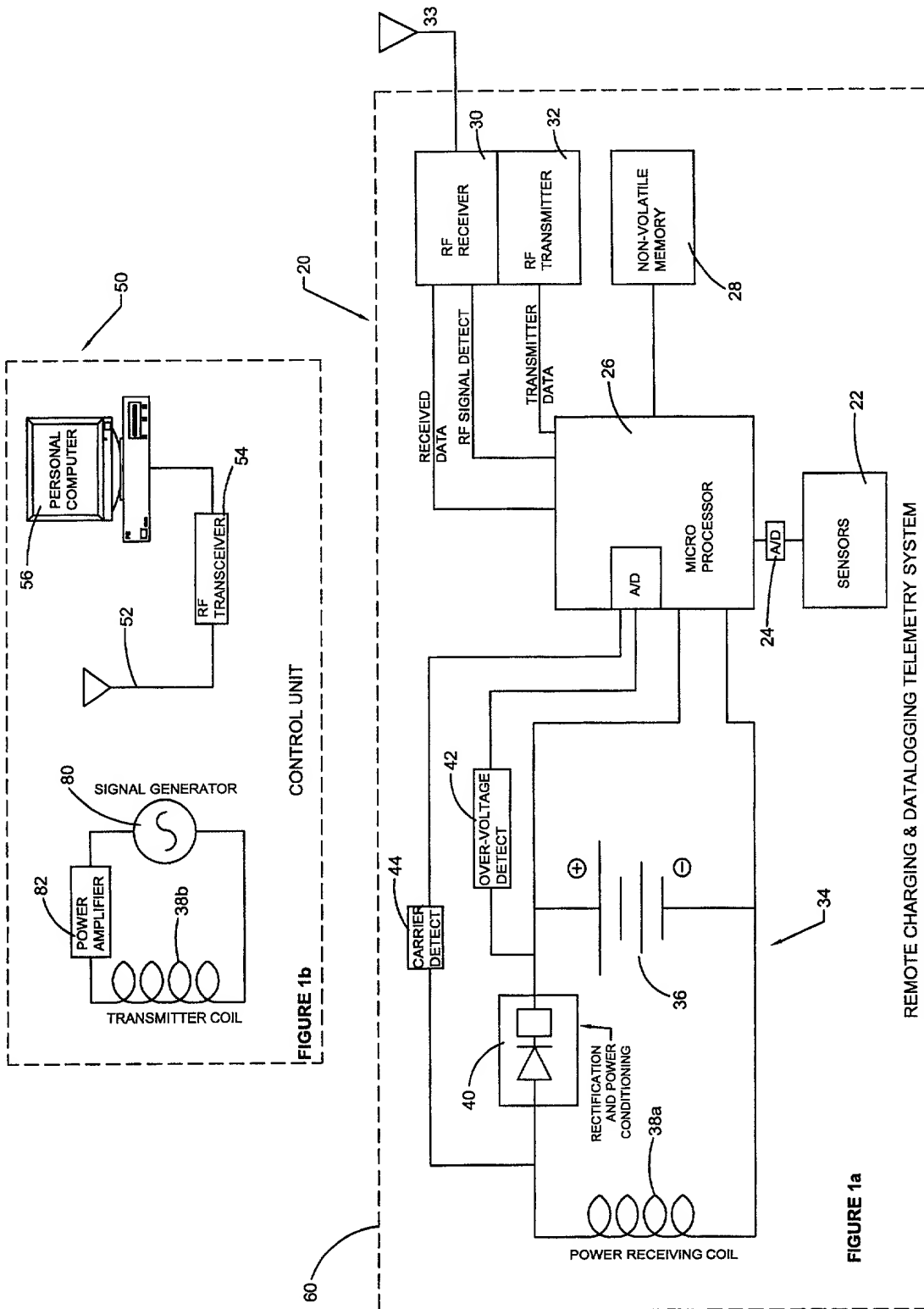
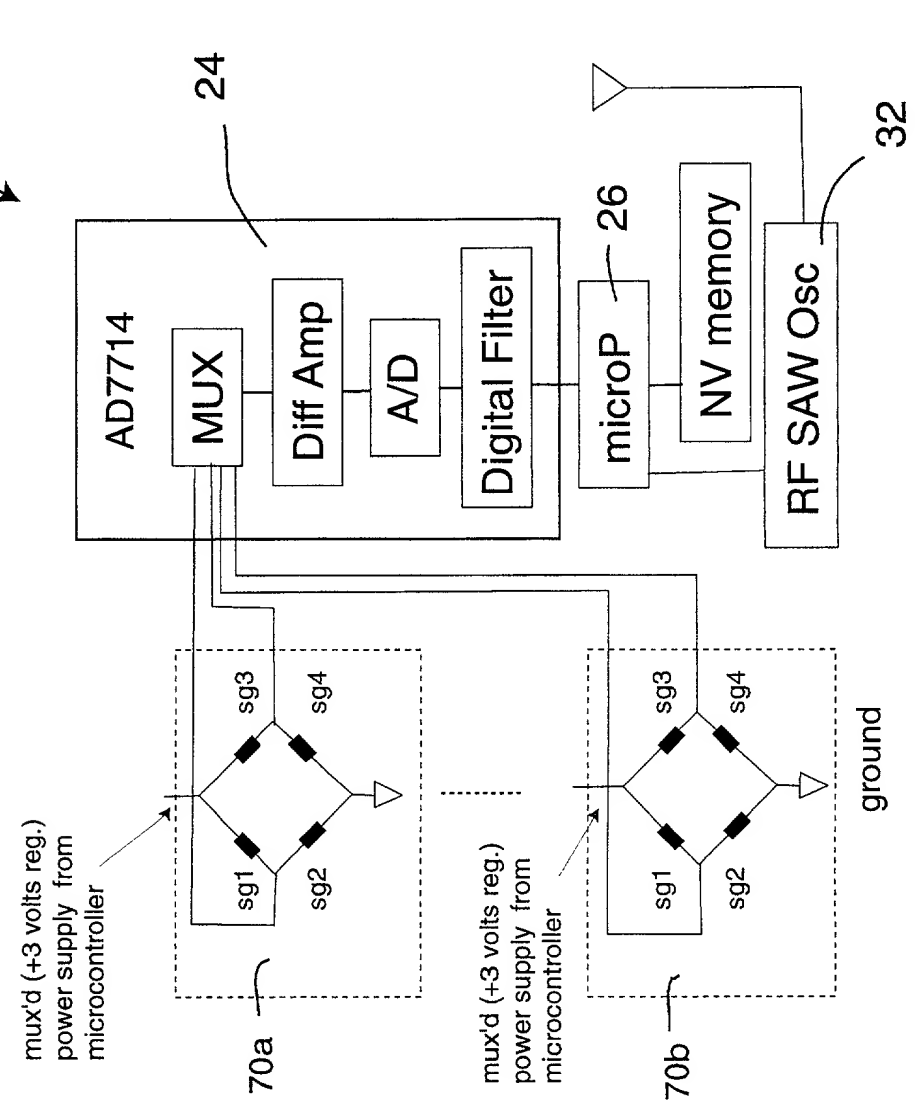
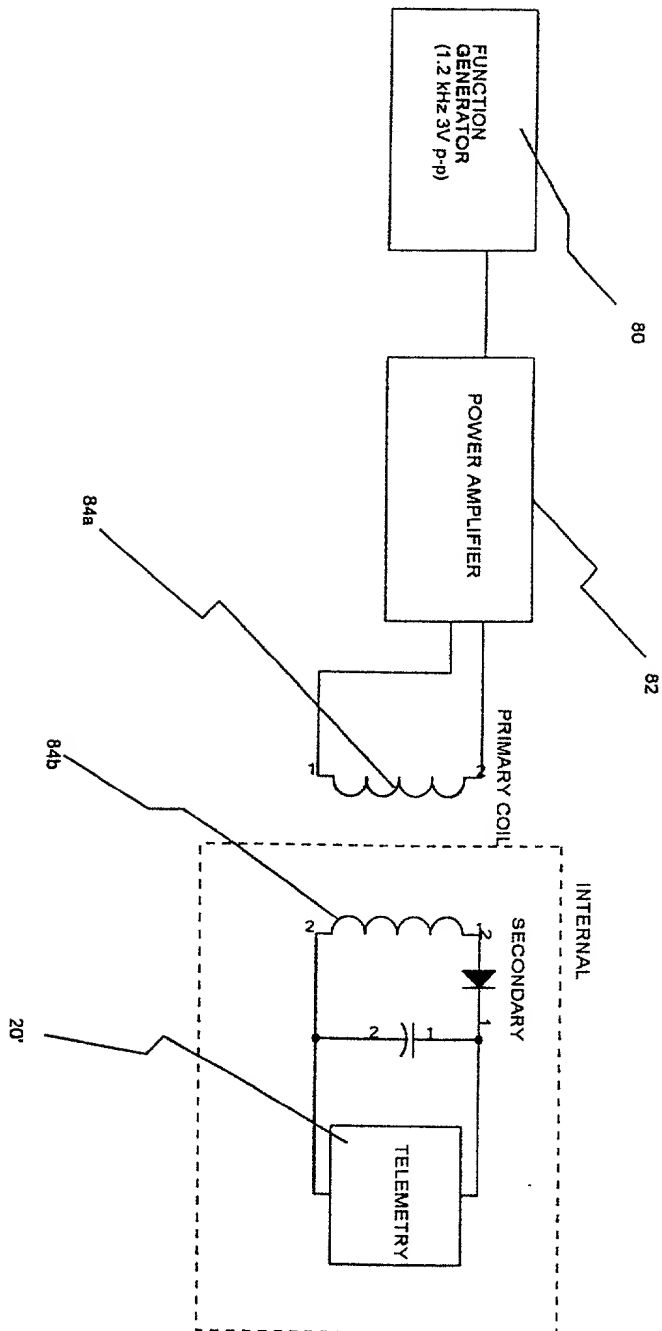


FIGURE 2.



TOWNSHIP  
1024-034  
3-5

FIGURE 3



00734055 040204

TOWNSHIP  
1024-034  
4-5

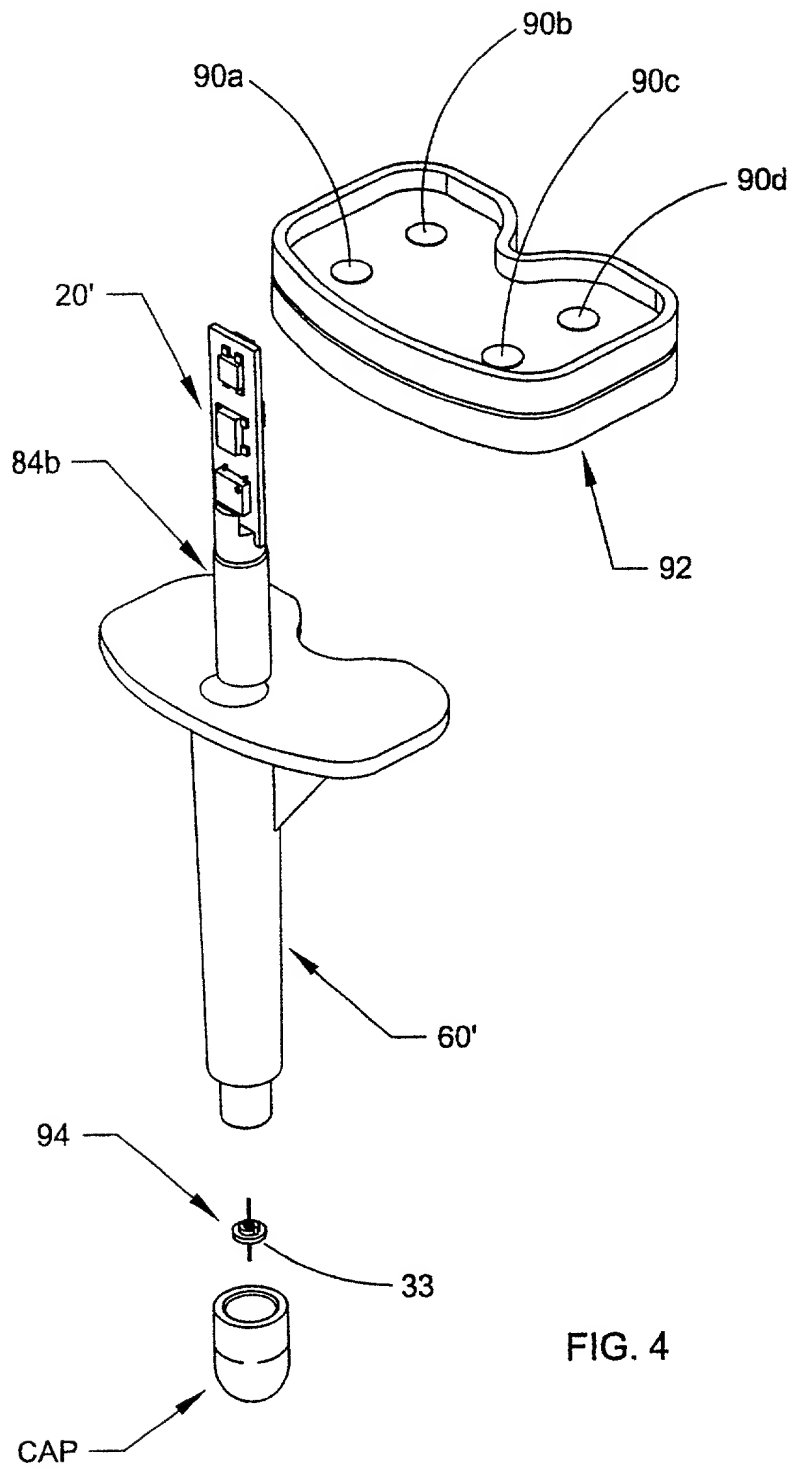


FIG. 4

Townsend  
1024-034  
5-5

FIGURE 5

PARAMETER/ SENSOR + TYPE	Typical Sensor Power Consumption	Typical gain range requirement	StrainLink-DC Compatible	StrainLink- AC Compatible
TEMPERATURE Thermocouple	0	128	YES	NO
TEMPERATURE Thermistor	5 mW	32-64	YES	NO
TEMPERATURE RTD	5 mW	32-64	YES	NO
STRAIN Foil Strain Gauge Bridge	10 mW-30mW	128 Minimum	YES	NO
STRAIN Semiconductor Strain Gauge Bridge	0.5 mW- 5 mW	32-128	YES	NO
STRAIN Capacitive Strain Gauge	<5 mW	128	NO	YES
FORCE Force Sensing Resistor	<1 mW	1	YES	NO
FORCE Foil Strain Gauge	10mW - 30mW	128 Minimum	YES	NO
PRESSURE MEMS Piezoresistive Pressure Sensor	0.5 mW- 5 mW	32-128	YES	NO
ACCELERATION Piezoelectric Accelerometer	0	64 - 128	YES	NO
ACCELERATION MEMS Piezoresistive Accelerometer	0.5 mW- 5 mW	32-128	YES	NO
MAGNETIC FIELD Magnetoresistance	1mW-25 mW	32-128	YES	NO
MAGNETIC FIELD Hall Effect	10 mW - 25 mW	16-64	YES	NO
ROTARY Potentiometer	<1 mW	1	YES	NO
HUMIDITY Capacitive	<10mW	64-128	NO	YES
CRACK PROPAGATION Resistive	<10mW	16-64	YES	NO
DISPLACEMENT DVRT /LVDT	10mW-25mW	128	NO	YES
DISPLACEMENT Potentiometer	<1mW	1	YES	NO
DISPLACEMENT Non-Contact Inductive	10 mW-25 mW	128	NO	YES
LIGHT INTENSITY Silicon Photodetector	<1mW	64-128	YES	NO
VELOCITY- DVRT	0 mW	64-128	YES	NO